

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	automatic\$9 with geocod\$6 with (speech\$4 voic\$4)	US-PGPUB; USPAT	OR	OFF	2007/07/19 14:09
L2	42	automatic\$9 with geocod\$6	US-PGPUB; USPAT	OR	OFF	2007/07/19 14:16
L3	13	geocod\$6 with (speech\$4 voic\$4)	US-PGPUB; USPAT	OR	OFF	2007/07/19 14:09
L4	21	automatic\$9 with geocod\$6 and (speech\$4 voic\$4)	US-PGPUB; USPAT	OR	OFF	2007/07/19 14:16
L5	30	automatic\$9 with geocod\$6 and (speech\$4 voic\$4 audio\$4 audibl\$4)	US-PGPUB; USPAT	OR	OFF	2007/07/19 14:32
L6	12	l2 not l5	US-PGPUB; USPAT	OR	OFF	2007/07/19 14:32
S1	1	"5991739".pn. and input\$5	US-PGPUB; USPAT	OR	OFF	2004/06/15 15:03
S2	1	"5991739".pn. and (audi\$6 or voic\$4)	US-PGPUB; USPAT	OR	OFF	2004/06/09 13:04
S3	121	landmark\$4 and loca\$ and geograph\$7 and authenticat\$6	US-PGPUB; USPAT	OR	OFF	2004/06/09 13:40
S4	15	landmark\$4 and loca\$ and geograph\$7 and authenticat\$6 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/06/09 13:40
S5	106	(landmark\$4 and loca\$ and geograph\$7 and authenticat\$6) not (landmark\$4 and loca\$ and geograph\$7 and authenticat\$6 and "704"/\$.ccls.)	US-PGPUB; USPAT	OR	OFF	2004/06/09 13:40
S6	104	landmark\$4 and loca\$ and geograph\$7 and authenticat\$6 and (voic\$4 or audi\$5)	US-PGPUB; USPAT	OR	OFF	2004/06/09 13:59
S7	94	landmark\$4 and loca\$ and geograph\$7 and authenticat\$6 and (voic\$4 or audi\$5) same (input or us\$4)	US-PGPUB; USPAT	OR	OFF	2004/06/09 14:10
S8	613	landmark\$4 and loca\$ and geograph\$7 and (voic\$4 or audi\$5) same (input or us\$4)	US-PGPUB; USPAT	OR	OFF	2004/06/09 14:11
S9	644	landmark\$4 and loca\$ and geograph\$7 and (voic\$4 or audi\$5 or speech\$4) same (input or us\$4)	US-PGPUB; USPAT	OR	OFF	2004/06/09 14:54

## EAST Search History

S10	550	(landmark\$4 and loca\$ and geograph\$7 and (voic\$4 or audi\$5 or speech\$4) same (input or us\$4)) not (landmark\$4 and loca\$ and geograph\$7 and authenticat\$6 and (voic\$4 or audi\$5) same (input or us\$4))	US-PGPUB; USPAT	OR	OFF	2004/06/09 14:20
S11	16	(landmark\$4 and loca\$ and geograph\$7 and (voic\$4 or audi\$5 or speech\$4) same (input or us\$4)) not (landmark\$4 and loca\$ and geograph\$7 and authenticat\$6 and (voic\$4 or audi\$5) same (input or us\$4)) and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/06/09 14:12
S12	5	(landmark\$4 and loca\$ and geograph\$7 and (voic\$4 or audi\$5 or speech\$4) same (input or us\$4)) not (landmark\$4 and loca\$ and geograph\$7 and authenticat\$6 and (voic\$4 or audi\$5) same (input or us\$4)) and authenti\$7	US-PGPUB; USPAT	OR	OFF	2004/06/09 14:21
S13	535	landmark\$4 and loca\$ and geograph\$7 and (voic\$4 or audi\$5 or speech\$4) same (input or user)	US-PGPUB; USPAT	OR	OFF	2004/06/09 14:54
S14	559	landmark\$4 and loca\$ and geograph\$7 and (voic\$4 or audi\$5 or speech\$4) same (input or user\$2)	US-PGPUB; USPAT	OR	OFF	2004/06/09 14:54
S15	91	landmark\$4 and loca\$ and geograph\$7 and (voic\$4 or audi\$5 or speech\$4) same (input or user\$2) and authentic\$6	US-PGPUB; USPAT	OR	OFF	2004/06/09 15:09
S16	79	landmark\$4 and loca\$ and (voic\$4 or audi\$5 or speech\$4) same input and authentic\$6	US-PGPUB; USPAT	OR	OFF	2004/06/09 15:11
S17	38	(landmark\$4 and loca\$ and geograph\$7 and (voic\$4 or audi\$5 or speech\$4) same (input or user\$2) and authentic\$6) not (landmark\$4 and loca\$ and (voic\$4 or audi\$5 or speech\$4) same input and authentic\$6)	US-PGPUB; USPAT	OR	OFF	2004/06/09 15:10
S18	752	landmark\$4 and loca\$ and (voic\$4 or audi\$5 or speech\$4) same input	US-PGPUB; USPAT	OR	OFF	2004/06/09 15:12

## EAST Search History

S19	752	(landmark\$4 and loca\$ and (voic\$4 or audi\$5 or speech\$4) same input ) not ((landmark\$4 and loca\$ and geograph\$7 and (voic\$4 or audi\$5 or speech\$4) same (input or user\$2) and authentic\$6) not (landmark\$4 and loca\$ and (voic\$4 or audi\$5 or speech\$4) same input and authentic\$6))	US-PGPUB; USPAT	OR	OFF	2004/06/09 15:24
S20	5768	locas\$6 and geograph\$7 and (speech or voic\$4) same input\$5	US-PGPUB; USPAT	OR	OFF	2004/06/09 15:45
S21	306	locas\$6 and geograph\$7 and (speech or voic\$4) same input\$5 and landmark\$4	US-PGPUB; USPAT	OR	OFF	2004/06/09 15:56
S22	64	locas\$6 and geograph\$7 and (speech or voic\$4) same input\$5 and landmark\$4 and @pd<"20001215"	US-PGPUB; USPAT	OR	OFF	2004/06/09 16:11
S23	21	locas\$6 and geograph\$7 and (speech or voic\$4) same input\$5 and landmark\$4 and state\$2 and cit\$4 and street\$2 and (address\$4 or cross\$3street) and @pd<"20001215"	US-PGPUB; USPAT	OR	OFF	2004/06/09 16:29
S24	22	locas\$6 and geograph\$7 and (speech or voic\$4 or audi\$4) same input\$5 and landmark\$4 and state\$2 and cit\$4 and street\$2 and (address\$4 or cross\$3street) and @pd<"20001215"	US-PGPUB; USPAT	OR	OFF	2004/06/09 16:29
S25	22	(locas\$6 and geograph\$7 and (speech or voic\$4 or audi\$4) same input\$5 and landmark\$4 and state\$2 and cit\$4 and street\$2 and (address\$4 or cross\$3street) and @pd<"20001215") not ("6664922". PN. and (landmark\$4 and loca\$ and geograph\$7 and authenticat\$6 and (voic\$4 or audi\$5) same (input or us\$4)))	US-PGPUB; USPAT	OR	OFF	2004/06/09 16:30
S26	1	(locas\$6 and geograph\$7 and (speech or voic\$4 or audi\$4) same input\$5 and landmark\$4 and state\$2 and cit\$4 and street\$2 and (address\$4 or cross\$3street) and @pd<"20001215") not (locas\$6 and geograph\$7 and (speech or voic\$4) same input\$5 and landmark\$4 and state\$2 and cit\$4 and street\$2 and (address\$4 or cross\$3street) and @pd<"20001215")	US-PGPUB; USPAT	OR	OFF	2004/06/09 16:30

## EAST Search History

S27	27863	voice and channel and data and service	US-PGPUB; USPAT	OR	OFF	2004/06/10 17:35
S28	1	voice and channel and data and service and stouffer\$4	US-PGPUB; USPAT	OR	OFF	2004/06/10 16:22
S29	1	"5991739".pn. and (voic\$4 or speech\$4 or audi\$4)	US-PGPUB; USPAT	OR	OFF	2004/06/10 17:28
S30	1	"5991739".pn. and (voic\$4 or speech\$4 or audi\$4) and input\$5	US-PGPUB; USPAT	OR	OFF	2004/06/10 17:28
S31	1	voice and channel and data and service and stouffer	US-PGPUB; USPAT	OR	OFF	2004/06/10 17:35
S32	1	"6101443".pn. and repeat\$4	US-PGPUB; USPAT	OR	OFF	2004/06/14 08:53
S33	1	"6128571".pn. and repeat\$4	US-PGPUB; USPAT	OR	OFF	2004/06/14 08:55
S34	1	"6101443".pn. and repeat\$4	US-PGPUB; USPAT	OR	OFF	2004/06/14 08:55
S35	1	"6101443".pn. and convert\$4	US-PGPUB; USPAT	OR	OFF	2004/06/14 08:56
S36	0	"6101443".pn. and web\$4	US-PGPUB; USPAT	OR	OFF	2004/06/14 08:56
S37	1	"6101443".pn. and pag\$4	US-PGPUB; USPAT	OR	OFF	2004/06/14 08:57
S38	1	"6101443".pn. and pag\$4 and convert\$4	US-PGPUB; USPAT	OR	OFF	2004/06/14 09:00
S39	1	"5991739".pn. and pag\$4 and convert\$4	US-PGPUB; USPAT	OR	OFF	2004/06/14 09:08
S40	1	"6101443".pn. and tim\$4 and angl\$4	US-PGPUB; USPAT	OR	OFF	2004/06/14 09:09
S41	0	"6101443".pn. and tim\$4 and angl\$4 same arriv\$4	US-PGPUB; USPAT	OR	OFF	2004/06/14 09:09
S42	1070573	"6101443".pn. and tim\$4 same differen\$5and angl\$4	US-PGPUB; USPAT	OR	OFF	2004/06/14 09:09
S43	1	"6101443".pn. and tim\$4 same differen\$5 and angl\$4	US-PGPUB; USPAT	OR	OFF	2004/06/14 09:10
S44	0	"6128571".pn. and tim\$4 same differen\$5 and angl\$4	US-PGPUB; USPAT	OR	OFF	2004/06/14 09:10
S45	0	"6128571".pn. and tim\$4 and angl\$4 same ariv\$4	US-PGPUB; USPAT	OR	OFF	2004/06/14 09:10
S46	0	"6128571".pn. and tim\$4 and angl\$4 same arriv\$4	US-PGPUB; USPAT	OR	OFF	2004/06/14 09:10
S47	1	"6128571".pn. and tim\$4 and angl\$4	US-PGPUB; USPAT	OR	OFF	2004/06/14 09:36

## EAST Search History

S48	1	"6101443".pn. and (mobil\$4 or wire\$3less or telecommunication\$4 or network\$4)	US-PGPUB; USPAT	OR	OFF	2004/06/14 09:46
S49	1	"6101443".pn. and (mobil\$4 or wire\$3less or telecommunication\$4 or network\$4) and pluralit\$4	US-PGPUB; USPAT	OR	OFF	2004/06/14 09:47
S50	1	"6101443".pn. and process\$4	US-PGPUB; USPAT	OR	OFF	2004/06/14 09:48
S51	1	"6101443".pn. and memor\$4	US-PGPUB; USPAT	OR	OFF	2004/06/14 09:48
S52	1	"6101443".pn. and memor\$4 and instruction\$4 and execute\$5	US-PGPUB; USPAT	OR	OFF	2004/06/14 09:52
S53	0	"6101443".pn. and channel	US-PGPUB; USPAT	OR	OFF	2004/06/14 09:52
S54	1	"6101443".pn. and data	US-PGPUB; USPAT	OR	OFF	2004/06/14 10:59
S55	0	"6101443".pn. and data same text\$4	US-PGPUB; USPAT	OR	OFF	2004/06/14 09:53
S56	0	"6101443".pn. and data and text\$4	US-PGPUB; USPAT	OR	OFF	2004/06/14 09:53
S57	1	"6101443".pn. and data same fil\$4	US-PGPUB; USPAT	OR	OFF	2004/06/14 11:00
S58	1	"6101443".pn. and data same fil\$4 and initiat\$4	US-PGPUB; USPAT	OR	OFF	2004/06/14 11:28
S59	1	"6101443".pn. and data same fil\$4 and initiat\$4 and convert\$5	US-PGPUB; USPAT	OR	OFF	2004/06/14 11:46
S60	1	"6101443".pn. and provid\$4	US-PGPUB; USPAT	OR	OFF	2004/06/14 11:48
S61	0	"6101443".pn. and location near information	US-PGPUB; USPAT	OR	OFF	2004/06/14 11:48
S62	1	"6101443".pn. and location same information	US-PGPUB; USPAT	OR	OFF	2004/06/14 11:51
S63	0	"6101443".pn. and latitud\$4 same logitud\$4	US-PGPUB; USPAT	OR	OFF	2004/06/14 11:51
S64	1	"6101443".pn. and latitud\$4 same longitud\$4	US-PGPUB; USPAT	OR	OFF	2004/06/14 12:01
S65	1	"6101443".pn. and automat\$7	US-PGPUB; USPAT	OR	OFF	2004/06/14 12:02
S66	1	"6101443".pn. and network\$4	US-PGPUB; USPAT	OR	OFF	2004/06/14 12:02
S67	1	"6101443".pn. and network\$4 same system\$4	US-PGPUB; USPAT	OR	OFF	2004/06/14 12:03
S68	1	"6101443".pn. and network\$4 same system\$4 and network\$4	US-PGPUB; USPAT	OR	OFF	2004/06/14 12:06

## EAST Search History

S69	1	"6101443".pn. and tim\$4 same arriv\$5	US-PGPUB; USPAT	OR	OFF	2004/06/14 12:06
S70	1	"6101443".pn. and (wireless or mobil\$4 or telecommunication\$4)	US-PGPUB; USPAT	OR	OFF	2004/06/14 13:45
S71	1	"6101443".pn. and (voic\$4 or speech\$4)	US-PGPUB; USPAT	OR	OFF	2004/06/14 14:53
S72	0	"5991739".pn. and locat\$5 same (mobil\$5 or wirelss)	US-PGPUB; USPAT	OR	OFF	2004/06/14 14:54
S73	0	"5991739".pn. and locat\$5 and (mobil\$5 or wirelss)	US-PGPUB; USPAT	OR	OFF	2004/06/14 14:54
S74	0	"5991739".pn. and locat\$5 same (mobil\$5 or wireless)	US-PGPUB; USPAT	OR	OFF	2004/06/14 14:54
S75	1	"5991739".pn. and locat\$5 and (mobil\$5 or wireless)	US-PGPUB; USPAT	OR	OFF	2004/06/14 15:30
S76	16685	stat\$4 and cit\$4 and (street\$4 or road\$4) and (intersection\$4 or address\$4 or cross\$4street\$4)	US-PGPUB; USPAT	OR	OFF	2004/06/14 15:31
S77	6316	stat\$4 and cit\$4 and (street\$4 or road\$4) and (intersection\$4 or address\$4 or cross\$4street\$4) and (audi\$5 or voic\$4)	US-PGPUB; USPAT	OR	OFF	2004/06/14 15:32
S78	1362	stat\$4 and cit\$4 and (street\$4 or road\$4) and (intersection\$4 or address\$4 or cross\$4street\$4) and (audi\$5 or voic\$4) and compar\$6 same input\$5	US-PGPUB; USPAT	OR	OFF	2004/06/14 15:59
S79	1347	stat\$4 and cit\$4 and (street\$4 or road\$4) and (intersection\$4 or address\$4 or cross\$4street\$4) and (audi\$5 or voic\$4) and compar\$6 same input\$5 and process\$5	US-PGPUB; USPAT	OR	OFF	2004/06/14 16:02
S80	94	stat\$4 and cit\$4 and (street\$4 or road\$4) and (intersection\$4 or address\$4 or cross\$4street\$4) and (audi\$5 or voic\$4) and compar\$6 same input\$5 and process\$5 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/06/14 16:15
S81	88	state\$4 and cit\$4 and (street\$4 or road\$4) and (intersection\$4 or address\$4 or cross\$4street\$4) and (audi\$5 or voic\$4) and compar\$6 same input\$5 and process\$5 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/06/14 16:16

## EAST Search History

S82	77	state\$4 and (city or cities) and (street\$4 or road\$4) and (intersection\$4 or address\$4 or cross\$4street\$4) and (audi\$5 or voic\$4) and compar\$6 same input\$5 and process\$5 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/06/14 16:20
S83	76	(state or states) and (city or cities) and (street\$4 or road\$4) and (intersection\$4 or address\$4 or cross\$4street\$4) and (audi\$5 or voic\$4) and compar\$6 same input\$5 and process\$5 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/06/14 16:20
S84	0	"6230132".pn. and memor\$4 same execut\$5	US-PGPUB; USPAT	OR	OFF	2004/06/14 18:27
S85	0	"6230132".pn. and memor\$4 same program\$5	US-PGPUB; USPAT	OR	OFF	2004/06/14 18:27
S86	418370	"6230132".pn. and memor\$4 ane execut\$5	US-PGPUB; USPAT	OR	OFF	2004/06/14 18:27
S87	1	"6230132".pn. and memor\$4 and execut\$5	US-PGPUB; USPAT	OR	OFF	2004/06/14 18:28
S88	0	"6230132".pn. and databas\$4 same execut\$5	US-PGPUB; USPAT	OR	OFF	2004/06/14 18:28
S89	1	"6230132".pn. and databas\$4 and execut\$5	US-PGPUB; USPAT	OR	OFF	2004/06/14 18:28
S90	1	"6230132".pn.	US-PGPUB; USPAT	OR	OFF	2004/06/15 15:48
S91	1	"6230132".pn. and network\$4	US-PGPUB; USPAT	OR	OFF	2004/06/15 15:50
S92	0	"6230132".pn. and tim\$4 same arriv\$4	US-PGPUB; USPAT	OR	OFF	2004/06/15 15:50
S93	0	"6230132".pn. and tim\$4 and arriv\$4	US-PGPUB; USPAT	OR	OFF	2004/06/15 15:50
S94	0	"6230132".pn. and tim\$4 and angl\$2	US-PGPUB; USPAT	OR	OFF	2004/06/15 15:50
S95	1	"6230132".pn. and tim\$4	US-PGPUB; USPAT	OR	OFF	2004/06/15 15:52
S96	187	tdoa and aoa	US-PGPUB; USPAT	OR	OFF	2004/06/15 15:53
S97	55	tdoa and aoa and navigat\$7	US-PGPUB; USPAT	OR	OFF	2004/06/15 15:53
S98	9	tdoa and aoa and navigat\$7 and "701"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/06/15 15:53
S99	0	tdoa and aoa and navigat\$7 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/06/15 15:53
S100	2	tdoa and aoa and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/06/15 16:25

## EAST Search History

S10 1	1	"6230132".pn. and mobil\$4	US-PGPUB; USPAT	OR	OFF	2004/06/15 16:32
S10 2	1	"6230132".pn. and (voice or speech)	US-PGPUB; USPAT	OR	OFF	2004/06/15 16:33
S10 3	0	"6230132".pn. and recognition near device	US-PGPUB; USPAT	OR	OFF	2004/06/15 16:33
S10 4	1	"6230132".pn. and recognition near device	US-PGPUB; USPAT	OR	OFF	2004/06/15 16:42
S10 5	1	"6230132".pn. and load\$4	US-PGPUB; USPAT	OR	OFF	2004/06/15 16:48
S10 6	1	"6230132".pn. and compar\$7	US-PGPUB; USPAT	OR	OFF	2004/06/15 16:50
S10 7	1	"6230132".pn. and cit\$7	US-PGPUB; USPAT	OR	OFF	2004/06/15 16:51
S10 8	1	"6230132".pn. and cit\$4	US-PGPUB; USPAT	OR	OFF	2004/06/15 16:53
S10 9	1	"6230132".pn. and compar\$6	US-PGPUB; USPAT	OR	OFF	2004/06/15 17:16
S11 0	3367	(state or states) and (city or cities) and (street or streets or road or roads) and (intersection\$4 or address\$4 or cross\$3street\$4 or cross\$3road\$4) and coordinat\$4	US-PGPUB; USPAT	OR	OFF	2004/06/15 17:19
S11 1	148	((state or states) and (city or cities) and (street or streets or road or roads) and (intersection\$4 or address\$4 or cross\$3street\$4 or cross\$3road\$4)) same coordinat\$4	US-PGPUB; USPAT	OR	OFF	2004/06/15 17:19
S11 2	3	((state or states) and (city or cities) and (street or streets or road or roads) and (intersection\$4 or address\$4 or cross\$3street\$4 or cross\$3road\$4)) same coordinat\$4 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/06/15 17:31
S11 3	1	"6101443".pn. and determin\$6 same location\$4	US-PGPUB; USPAT	OR	OFF	2004/06/15 17:38
S11 4	1	"6101443".pn. and predetermin\$6	US-PGPUB; USPAT	OR	OFF	2004/06/15 17:38
S11 5	1	"6101443".pn. and predetermin\$6 same tim\$4	US-PGPUB; USPAT	OR	OFF	2004/06/15 17:38
S11 6	0	"6101443".pn. and predetermin\$6 same number\$4	US-PGPUB; USPAT	OR	OFF	2004/06/15 17:39
S11 7	1302	authentic\$6 and predetermin\$5 same (voic\$4 or speech\$4 or input\$5 or user\$4 or person\$4) and navigation\$5	US-PGPUB; USPAT	OR	OFF	2004/06/15 17:42



## EAST Search History

S11 8	4	authentic\$6 and predetermin\$5 same (voic\$4 or speech\$4 or input\$5 or user\$4 or person\$4) and navigation\$5 and compar\$5 and output\$5 near authenticat\$5 same (information or data)	US-PGPUB; USPAT	OR	OFF	2004/06/15 17:43
S11 9	2	authentic\$6 and predetermin\$5 same (voic\$4 or speech\$4 or input\$5 or user\$4 or person\$4) and navigation\$5 and compar\$5 and output\$5 near authenticat\$5 same (information or data) and location	US-PGPUB; USPAT	OR	OFF	2004/06/15 17:43
S12 0	2	authentic\$6 and predetermin\$5 same (voic\$4 or speech\$4 or input\$5 or user\$4 or person\$4) and navigation\$5 and compar\$5 and output\$5 near authenticat\$5 same (information or data) and location\$4	US-PGPUB; USPAT	OR	OFF	2004/06/15 17:47
S12 1	1	authentic\$6 and predetermin\$5 same (voic\$4 or speech\$4 or input\$5 or user\$4 or person\$4) and compar\$5 and output\$5 near authenticat\$5 same (information or data) and location\$4 and "704"/\$. ccls.	US-PGPUB; USPAT	OR	OFF	2004/06/15 17:48
S12 2	34	authentic\$6 and predetermin\$5 same (voic\$4 or speech\$4 or input\$5 or user\$4 or person\$4) and compar\$5 and output\$5 near authenticat\$5 same (information or data) and location\$4	US-PGPUB; USPAT	OR	OFF	2004/06/15 17:56
S12 3	42	authentic\$6 and predetermin\$5 same (voic\$4 or speech\$4 or input\$5 or user\$4 or person\$4) and compar\$5 and output\$5 near authenticat\$5 and location\$4	US-PGPUB; USPAT	OR	OFF	2004/06/15 17:52
S12 4	41	(authentic\$6 and predetermin\$5 same (voic\$4 or speech\$4 or input\$5 or user\$4 or person\$4) and compar\$5 and output\$5 near authenticat\$5 and location\$4) not (authentic\$6 and predetermin\$5 same (voic\$4 or speech\$4 or input\$5 or user\$4 or person\$4) and compar\$5 and output\$5 near authenticat\$5 same (information or data) and location\$4 and "704"/\$. ccls.)	US-PGPUB; USPAT	OR	OFF	2004/06/15 17:53

## EAST Search History

S12 5	8	(authentic\$6 and predetermin\$5 same (voic\$4 or speech\$4 or input\$5 or user\$4 or person\$4) and compar\$5 and output\$5 near authenticat\$5 and location\$4) not (authentic\$6 and predetermin\$5 same (voic\$4 or speech\$4 or input\$5 or user\$4 or person\$4) and compar\$5 and output\$5 near authenticat\$5 same (information or data) and location\$4)	US-PGPUB; USPAT	OR	OFF	2004/06/15 17:53
S12 6	2	compar\$5 and output\$5 near authenticat\$5 same (information or data) and location\$4 and "704"/\$. ccls.	US-PGPUB; USPAT	OR	OFF	2004/06/15 17:57
S12 7	117	compar\$5 and output\$5 near authenticat\$5 same (information or data) and location\$4	US-PGPUB; USPAT	OR	OFF	2004/06/15 17:59
S12 8	84	(compar\$5 and output\$5 near authenticat\$5 same (information or data) and location\$4) not ((authentic\$6 and predetermin\$5 same (voic\$4 or speech\$4 or input\$5 or user\$4 or person\$4) and compar\$5 and output\$5 near authenticat\$5 and location\$4) not (authentic\$6 and predetermin\$5 same (voic\$4 or speech\$4 or input\$5 or user\$4 or person\$4) and compar\$5 and output\$5 near authenticat\$5 same (information or data) and location\$4 and "704"/\$. ccls.))	US-PGPUB; USPAT	OR	OFF	2004/06/15 17:58

## EAST Search History

S12 9	84	((compar\$5 and output\$5 near authenticat\$5 same (information or data) and location\$4) not ((authentic\$6 and predetermin\$5 same (voic\$4 or speech\$4 or input\$5 or user\$4 or person\$4) and compar\$5 and output\$5 near authenticat\$5 and location\$4) not (authentic\$6 and predetermin\$5 same (voic\$4 or speech\$4 or input\$5 or user\$4 or person\$4) and compar\$5 and output\$5 near authenticat\$5 same (information or data) and location\$4 and "704"/\$.ccls.))) not ((authentic\$6 and predetermin\$5 same (voic\$4 or speech\$4 or input\$5 or user\$4 or person\$4) and compar\$5 and output\$5 near authenticat\$5 and location\$4) not (authentic\$6 and predetermin\$5 same (voic\$4 or speech\$4 or input\$5 or user\$4 or person\$4) and compar\$5 and output\$5 near authenticat\$5 same (information or data) and location\$4))	US-PGPUB; USPAT	OR	OFF	2004/06/15 17:58
S13 0	118	compar\$5 and output\$5 near authenticat\$5 same (information or data) and (location\$4 or geograph\$7)	US-PGPUB; USPAT	OR	OFF	2004/06/15 18:02
S13 1	0	authenticat\$5 and (street and city and landmark\$4)	US-PGPUB; USPAT	OR	OFF	2004/06/15 18:03
S13 2	70	authenticat\$5 and (street and city and landmark\$4)	US-PGPUB; USPAT	OR	OFF	2004/06/15 18:03
S13 3	14	authenticat\$5 and (street and city and landmark\$4) and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/06/15 18:03
S13 4	222	authenticat\$5 and (street and city or location) and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/06/15 18:04
S13 5	222	authenticat\$5 and ((street and city) or location) and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/06/15 18:05
S13 6	132	authenticat\$5 same (inforamtion or data) and ((street and city) or location) and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/06/15 18:05
S13 7	16714	authenticat\$5 same (inforamtion or data) and ((street and city) or location) and (speech or voice) "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/06/15 18:06

## EAST Search History

S13 8	116	authenticat\$5 same (inforamtion or data) and ((street and city) or location) and (speech or voice) and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/06/15 18:07
S13 9	30	authenticat\$5 same (inforamtion or data) and ((street and city) or location) and (speech or voice) and navigation\$5 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/06/15 18:09
S14 0	9	authenticat\$5 same (information or data) and (street and city and location and geograph\$7) and (speech or voice) and navigation\$5 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/06/15 18:10
S14 1	113	authenticat\$5 same (information or data) and (street and city and location and geograph\$7) and (speech or voice) and navigation\$5	US-PGPUB; USPAT	OR	OFF	2004/06/15 18:10
S14 2	104	(authenticat\$5 same (information or data) and (street and city and location and geograph\$7) and (speech or voice) and navigation\$5 ) not (authenticat\$5 same (information or data) and (street and city and location and geograph\$7) and (speech or voice) and navigation\$5 and "704"/\$.ccls.)	US-PGPUB; USPAT	OR	OFF	2004/06/15 18:10
S14 3	112	authentic\$7 and navigat\$5 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/06/15 18:13
S14 4	5821	authentic\$7 and navigat\$5	US-PGPUB; USPAT	OR	OFF	2004/06/15 18:14
S14 5	2588	authentic\$7 and navigat\$5 and (voic\$4 or speech\$4)	US-PGPUB; USPAT	OR	OFF	2004/06/15 18:14
S14 6	1655	authentic\$7 same (inforamtion\$4 or data) and navigat\$5 and (voic\$4 or speech\$4)	US-PGPUB; USPAT	OR	OFF	2004/06/15 18:14
S14 7	41	authentic\$7 same (information\$4 or data) and (street and city and address and landmark\$4) and (voic\$4 or speech\$4)	US-PGPUB; USPAT	OR	OFF	2004/06/15 18:16
S14 8	7	authentic\$7 near (information\$4 or data) and (street and city and address and landmark\$4) and (voic\$4 or speech\$4)	US-PGPUB; USPAT	OR	OFF	2004/06/15 18:16
S14 9	337	(voice or speech) near authentic\$8	US-PGPUB; USPAT	OR	OFF	2004/06/15 18:20
S15 0	66	(voice or speech) near authentic\$8 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/06/15 18:21

## EAST Search History

S15 1	337	(voice or speech) near authentic\$8	US-PGPUB; USPAT	OR	OFF	2004/06/15 18:33
S15 2	24	(voice or speech) near authentic\$8 and (location\$4 and geograph\$6 and address and city and street)	US-PGPUB; USPAT	OR	OFF	2004/06/15 18:22
S15 3	122	(voice or speech) near authentic\$8 and (location\$4 and geograph\$6)	US-PGPUB; USPAT	OR	OFF	2004/06/15 18:23
S15 4	40	(voice or speech) near authentic\$8 and (location\$4 and geograph\$6 and navigat\$6)	US-PGPUB; USPAT	OR	OFF	2004/06/15 18:27
S15 5	1	"5991739".pn.	US-PGPUB; USPAT	OR	OFF	2004/06/15 18:27
S15 6	0	"5991739".pn. and password\$4	US-PGPUB; USPAT	OR	OFF	2004/06/15 18:27
S15 7	66	(voice or speech) near authentic\$8 and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/06/15 18:33
S15 8	1	"6230132".pn. and predetermin\$6	US-PGPUB; USPAT	OR	OFF	2004/06/16 14:26
S15 9	22	(US-6664922-\$ or US-5694558-\$ or US-6735516-\$ or US-6085177-\$ or US-6128571-\$ or US-6101443-\$ or US-6006161-\$ or US-5835236-\$ or US-5802492-\$ or US-5784059-\$ or US-5177685-\$ or US-6539359-\$ or US-6230132-\$ or US-6182029-\$ or US-6067521-\$ or US-5638425-\$ or US-5966386-\$ or US-6510415-\$ or US-6404859-\$ or US-5953700-\$ or US-6671672-\$).did. or (US-20020116175-\$).did.	US-PGPUB; USPAT	OR	OFF	2004/06/16 14:54
S16 0	15	((US-6664922-\$ or US-5694558-\$ or US-6735516-\$ or US-6085177-\$ or US-6128571-\$ or US-6101443-\$ or US-6006161-\$ or US-5835236-\$ or US-5802492-\$ or US-5784059-\$ or US-5177685-\$ or US-6539359-\$ or US-6230132-\$ or US-6182029-\$ or US-6067521-\$ or US-5638425-\$ or US-5966386-\$ or US-6510415-\$ or US-6404859-\$ or US-5953700-\$ or US-6671672-\$).did. or (US-20020116175-\$).did.) and predetermin\$6	US-PGPUB; USPAT	OR	OFF	2004/06/16 14:55

## EAST Search History

S16 1	14	((US-6664922-\$ or US-5694558-\$ or US-6735516-\$ or US-6085177-\$ or US-6128571-\$ or US-6101443-\$ or US-6006161-\$ or US-5835236-\$ or US-5802492-\$ or US-5784059-\$ or US-5177685-\$ or US-6539359-\$ or US-6230132-\$ or US-6182029-\$ or US-6067521-\$ or US-5638425-\$ or US-5966386-\$ or US-6510415-\$ or US-6404859-\$ or US-5953700-\$ or US-6671672-\$).did. or (US-20020116175-\$).did.) and predetermin\$6 same (number\$4 or tim\$4).	US-PGPUB; USPAT	OR	OFF	2004/06/16 14:55
S16 2	13	((US-6664922-\$ or US-5694558-\$ or US-6735516-\$ or US-6085177-\$ or US-6128571-\$ or US-6101443-\$ or US-6006161-\$ or US-5835236-\$ or US-5802492-\$ or US-5784059-\$ or US-5177685-\$ or US-6539359-\$ or US-6230132-\$ or US-6182029-\$ or US-6067521-\$ or US-5638425-\$ or US-5966386-\$ or US-6510415-\$ or US-6404859-\$ or US-5953700-\$ or US-6671672-\$).did. or (US-20020116175-\$).did.) and predetermin\$6 same (number\$4 or tim\$4) and compar\$7	US-PGPUB; USPAT	OR	OFF	2004/06/16 16:00
S16 3	1	"6230132".pn. and repeat\$4	US-PGPUB; USPAT	OR	OFF	2004/06/16 16:04
S16 4	1	"6101443".pn. and repeat\$4	US-PGPUB; USPAT	OR	OFF	2004/06/16 16:14
S16 5	0	"6230132".pn"	US-PGPUB; USPAT	OR	OFF	2004/06/16 16:14
S16 6	1	"6230132".pn.	US-PGPUB; USPAT	OR	OFF	2004/06/16 16:14
S16 7	1	"6671672".pn.	US-PGPUB; USPAT	OR	OFF	2004/06/16 16:14
S16 8	1	"6101443".pn.	US-PGPUB; USPAT	OR	OFF	2004/06/17 12:38
S16 9	1	"6101443".pn. and voic\$4	US-PGPUB; USPAT	OR	OFF	2004/06/17 13:04
S17 0	1	"6199039".pn.	US-PGPUB; USPAT	OR	OFF	2004/06/17 13:04
S17 1	1	"5754976".pn.	US-PGPUB; USPAT	OR	OFF	2004/06/28 13:29
S17 2	1	"5444816".pn.	US-PGPUB; USPAT	OR	OFF	2004/06/28 13:29

## EAST Search History

S17 3	1	"6101443".pn.	US-PGPUB; USPAT	OR	OFF	2005/06/27 11:42
S17 4	0	"6101443".pn. and tele\$4communicat\$5	US-PGPUB; USPAT	OR	OFF	2005/06/27 11:42
S17 5	1	"6101443".pn. and (mobil\$4 or hand\$4held\$4 or portab\$4 or cell\$4)	US-PGPUB; USPAT	OR	OFF	2005/06/27 11:43
S17 6	1	"6101443".pn. and (mobil\$4 or hand\$4held\$4 or portab\$4 or cell\$4) and network\$4	US-PGPUB; USPAT	OR	OFF	2005/06/27 11:43
S17 7	1	"6101443".pn. and (mobil\$4 or hand\$4held\$4 or portab\$4 or cell\$4) same network\$4	US-PGPUB; USPAT	OR	OFF	2005/06/27 12:44
S17 8	1	"6101443".pn. and input\$4 same (microphon\$4 or speech\$4 or voic\$4)	US-PGPUB; USPAT	OR	OFF	2005/06/27 15:37
S17 9	1	"6230132".pn.	US-PGPUB; USPAT	OR	OFF	2005/06/27 15:38
S18 0	1	"6230132".pn. and cities	US-PGPUB; USPAT	OR	OFF	2005/06/27 15:38
S18 1	1	"6101443".pn. and (cable\$4 telephon\$4 radio\$4 television\$4 telegraph\$4 satellite\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/01 21:25
S18 2	1	"6101443".pn. and (cable\$4 telephon\$4 radio\$4 television\$4 telegraph\$4 satellite\$4) and transmi\$6	US-PGPUB; USPAT	OR	OFF	2006/03/01 21:35
S18 3	1	"6101443".pn. and input\$5	US-PGPUB; USPAT	OR	OFF	2006/03/01 21:40
S18 4	1	"6101443".pn. and determin\$6	US-PGPUB; USPAT	OR	OFF	2006/03/01 21:40
S18 5	1	"6101443".pn. and determin\$6 with locat\$6	US-PGPUB; USPAT	OR	OFF	2006/03/01 22:26
S18 6	1	"20020016175".did.	US-PGPUB; USPAT	OR	OFF	2006/03/01 22:24
S18 7	1	"20020116175".did.	US-PGPUB; USPAT	OR	OFF	2006/03/01 22:24
S18 8	1	"6101443".pn. and landmark\$4	US-PGPUB; USPAT	OR	OFF	2006/03/01 22:26
S18 9	1	(US-20020116175-\$).did.	US-PGPUB	OR	OFF	2006/03/02 19:02
S19 0	1	(US-20020116175-\$).did. and data near channel	US-PGPUB	OR	OFF	2006/03/02 19:11
S19 1	0	"6101443".pn. and channel\$5	US-PGPUB	OR	OFF	2006/03/02 19:16

## EAST Search History

S19 2	0	"6101443".pn. and data	US-PGPUB	OR	OFF	2006/03/02 19:15
S19 3	0	"6101443".pn. and information\$4	US-PGPUB	OR	OFF	2006/03/02 19:16
S19 4	0	"6101443".pn.	US-PGPUB	OR	OFF	2006/03/02 19:16
S19 5	0	"6101443".pn.	US-PGPUB	OR	OFF	2006/03/02 19:16
S19 6	0	"6101443".pn.	US-PGPUB	OR	OFF	2006/03/02 19:17
S19 7	1	"6101443".pn.	US-PGPUB; USPAT	OR	OFF	2006/03/02 19:17
S19 8	0	"6101443".pn. and channel	US-PGPUB; USPAT	OR	OFF	2006/03/02 19:17
S19 9	1	"6101443".pn. and data	US-PGPUB; USPAT	OR	OFF	2006/03/02 19:33
S20 0	1	"6101443".pn. and initiate	US-PGPUB; USPAT	OR	OFF	2006/03/02 19:33
S20 1	1	"6101443".pn. and initiat\$5	US-PGPUB; USPAT	OR	OFF	2006/03/02 19:33
S20 2	1	"20020116175".did.	US-PGPUB; USPAT	OR	OFF	2006/10/03 10:11
S20 3	1	"20020116175".did. and (data near channel\$4) and (voic\$4 near channel\$4)	US-PGPUB; USPAT	OR	OFF	2006/10/03 11:03
S20 4	1	"6101443".pn. and conver\$6	US-PGPUB; USPAT	OR	OFF	2006/10/03 10:58
S20 5	1	"20020116175".did. and application near data	US-PGPUB; USPAT	OR	OFF	2006/10/03 14:35
S20 6	0	"6101443".pn. and localit\$5	US-PGPUB; USPAT	OR	OFF	2006/10/03 14:36
S20 7	1	"6101443".pn. and loca\$7	US-PGPUB; USPAT	OR	OFF	2006/10/03 14:38
S20 8	1	"6101443".pn. and loca\$7 same compar\$7	US-PGPUB; USPAT	OR	OFF	2006/10/03 14:56
S20 9	1	"6101443".pn. and input\$4	US-PGPUB; USPAT	OR	OFF	2006/10/03 15:54
S21 0	1	"20020116175".did. and input\$4	US-PGPUB; USPAT	OR	OFF	2006/10/15 17:42
S21 1	1	"6101443".pn. and (voic\$4 speech\$4 audi\$6)	US-PGPUB; USPAT	OR	OFF	2006/10/15 17:42
S21 2	0	"6101433".pn. and hierarch\$7	US-PGPUB; USPAT	OR	OFF	2006/10/16 19:59



## EAST Search History

S21 3	0	"6230132".pn. and hierarch\$7	US-PGPUB; USPAT	OR	OFF	2006/10/16 19:59
S21 4	1	"6230132".pn.	US-PGPUB; USPAT	OR	OFF	2006/10/16 19:59
S21 5	1	"6101433".pn.	US-PGPUB; USPAT	OR	OFF	2006/10/16 19:59
S21 6	1	"6101443".pn.	US-PGPUB; USPAT	OR	OFF	2006/10/16 20:00
S21 7	0	"6101443".pn. and hierarch\$7	US-PGPUB; USPAT	OR	OFF	2006/10/16 20:42
S21 8	1	"6101443".pn. and geograph\$7	US-PGPUB; USPAT	OR	OFF	2006/10/16 20:43
S21 9	0	"6101443".pn. and geograph\$7 and load46	US-PGPUB; USPAT	OR	OFF	2006/10/16 20:43
S22 0	1	"6101443".pn. and geograph\$7 and load\$4	US-PGPUB; USPAT	OR	OFF	2006/10/16 20:49
S22 1	1	"6101443".pn. and stat\$4	US-PGPUB; USPAT	OR	OFF	2006/10/16 21:26
S22 2	1	"6230132".pn.	US-PGPUB; USPAT	OR	OFF	2006/10/16 21:26
S22 3	1	"6230132".pn. and (city cities)	US-PGPUB; USPAT	OR	OFF	2006/10/16 21:27
S22 4	1	"6230132".pn. and (city cities) and (state states)	US-PGPUB; USPAT	OR	OFF	2006/10/16 21:27
S22 5	1	"6275789".pn.	US-PGPUB; USPAT	OR	OFF	2006/10/17 13:34
S22 6	1	"6101443".pn. and navigat\$7 same (phone\$4 telephon\$4)	US-PGPUB; USPAT	OR	OFF	2006/10/24 16:28
S22 7	1	"6338019".pn.	US-PGPUB; USPAT	OR	OFF	2006/10/24 16:34
S22 8	1	"20050215267".did.	US-PGPUB; USPAT	OR	OFF	2006/10/24 16:39
S22 9	1	"6950745".pn.	US-PGPUB; USPAT	OR	OFF	2006/10/24 16:40
S23 0	1	"6111539".pn.	US-PGPUB; USPAT	OR	OFF	2006/10/24 16:44
S23 1	1	"6816782".pn.	US-PGPUB; USPAT	OR	OFF	2006/10/24 16:45
S23 2	1	"6768450".pn.	US-PGPUB; USPAT	OR	OFF	2006/10/24 16:45
S23 3	39355	navigation\$6 same state\$4 same cit\$4 sam street\$4 same address\$4	US-PGPUB; USPAT	OR	OFF	2006/12/26 10:46
S23 5	69	navigation\$6 same state\$4 same cit\$4 same street\$4 same address\$4	US-PGPUB; USPAT	OR	OFF	2006/12/26 11:12

## EAST Search History

S23 6	9	navigation\$6 same state\$4 same cit\$4 same street\$4 same address\$4 same (speech\$4 voic\$4)	US-PGPUB; USPAT	OR	OFF	2006/12/26 10:49
S23 7	54	navigation\$6 same state\$4 same cit\$4 same street\$4 same address\$4 and (speech\$4 voic\$4)	US-PGPUB; USPAT	OR	OFF	2006/12/26 10:49
S23 8	45	S237 not S236	US-PGPUB; USPAT	OR	OFF	2006/12/26 10:49
S23 9	5726	navigation\$4 and load\$4 with (street\$4 cit\$4 address\$4 stat\$4)	US-PGPUB; USPAT	OR	OFF	2006/12/26 11:09
S24 0	2723	navigation\$4 and load\$4 near4 (street\$4 cit\$4 address\$4 stat\$4)	US-PGPUB; USPAT	OR	OFF	2006/12/26 11:09
S24 1	0	navigation\$4 and load\$4 with (street\$4 and cit\$4 and address\$4 and stat\$4)	US-PGPUB; USPAT	OR	OFF	2006/12/26 11:09
S24 2	9	navigation\$4 and load\$4 same (street\$4 and cit\$4 and address\$4 and stat\$4)	US-PGPUB; USPAT	OR	OFF	2006/12/26 11:09
S24 3	545	navigation\$6 and state\$4 same cit\$4 same street\$4 same address\$4	US-PGPUB; USPAT	OR	OFF	2006/12/26 11:12
S24 4	476	S243 not S235	US-PGPUB; USPAT	OR	OFF	2006/12/26 11:12
S24 5	0	"6061003".pn. and landmark\$4	US-PGPUB; USPAT	OR	OFF	2006/12/26 12:49
S24 6	1	"6111539".pn.	US-PGPUB; USPAT	OR	OFF	2006/12/26 12:50
S24 7	0	"6111539".pn. and landmark\$4+	US-PGPUB; USPAT	OR	OFF	2006/12/26 12:50
S24 8	0	"6111539".pn. and landmark\$4	US-PGPUB; USPAT	OR	OFF	2006/12/26 13:23
S24 9	0	"6111539".pn. and processor\$5	US-PGPUB; USPAT	OR	OFF	2006/12/26 13:23
S25 0	0	"6111539".pn. and memor45	US-PGPUB; USPAT	OR	OFF	2006/12/26 13:23
S25 1	0	"6111539".pn. and memor\$6	US-PGPUB; USPAT	OR	OFF	2006/12/26 13:24
S25 2	1	"6111539".pn.	US-PGPUB; USPAT	OR	OFF	2006/12/26 13:24